

- Fig. 43. Small spherical cell with protoplasmic contents, vacuole, and food-grain ($\times 500$).
- Fig. 44. Connective-tissue corpuscle with large vacuole (probably an exhausted food-reserve cell) ($\times 500$).
- Figs. 45, 46. Cells with large vacuoles and food-grains ($\times 500$).
- Fig. 47. A vesicle of the canal-system, showing the nuclei of its epithelial cells and associated spinispirules: *bb*, edge of the vesicle; *s*, sphincter; *c*, surrounding connective tissue. $\times 250$.
- Fig. 48. Large amœbiform cell of the connective tissue ($\times 333$).

I.—Description of a new Species of Crastia, a Lepidopterous Genus belonging to the Family Euplocinæ. By F. MOORE.

Crastia Distantii.

Upperside dark cupreous brown, glossed with olive-green: fore wing with a series of eight or nine white submarginal spots, and a marginal row of small spots, similarly disposed and of the same shape as those in the Malayan *Euploea Bremeri*, Feld., but somewhat larger; two small spots also on the disk below the upper and middle median veins in some specimens; a short slender sericeous streak between the lower median and submedian in the male: hind wing with two rows of prominent white spots.

Underside greenish olive-brown: fore wing with marginal markings as above; two small spots also on the costa, another spot at the end of the cell, and three on the disk: hind wing with prominent marginal spots; a spot at the end of the cell, and five spots beyond. Expanse $2\frac{2}{3}$ to $3\frac{1}{8}$ inches.

Hab. Sumatra. In coll. F. Moore.

II.—Researches on the Nervous System of the Larvæ of Dipterous Insects. By Prof. ED. BRANDT.

HAVING received from M. Behling a number of Dipterous larvæ belonging to families which had not been previously examined as to their nervous system, I took the opportunity to dissect them, and with the following results.

I have examined the following:—

LEPTIDÆ: *Leptis*, sp.

BIBIONIDÆ: *Bibio Marci*, L.

— *Pomone*, Fabr.

— *ferruginatus*, L.

— *varipes*, Meig.

— *hortulanus*, L.

— *laniger*, Meig.